

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	133	toner and ((silica or silicon dioxide or "SiO. sub.2") same ((Dv\$5) or (Dv50/Dv10)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/08 12:46
S2	6	toner and ((silica or silicon dioxide or "SiO. sub.2") same ((Dv50/Dv10)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/08 12:52
S3	6	toner and ((silica or silicon dioxide or "SiO. sub.2") same ((Dv\$2/Dv\$2)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/08 13:04
S4	2	JP-2002182423-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/08 13:22
S5	5	toner and ((silica or silicon dioxide or "SiO. sub.2") same (D50 same (D90 or D10)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/08 13:29
S6	91	toner and ((silica or silicon dioxide or "SiO. sub.2") same (GSD or geometric standard deviation))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/08 13:32
S7	2	S6 and sphericity	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/08 13:33
S8	0	S1 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/08 13:51
S9	5773	toner and ((D10 or D90) with D50)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 08:20
S10	5	toner and (((D10 or D90) with D50) same (silica or "SiO.sub.2" or silicon dioxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 08:21
S11	1	("20070020543").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/11 08:23
S12	7	toner and (((Dv10 or Dv90) with Dv50) same (silica or "SiO.sub.2" or silicon dioxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 08:24

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S13	7	toner and ((Dv10 with Dv50) same (silica or "SiO. _{sub.2} " or silicon dioxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 08:28
S14	0	toner and ((Dv90 with Dv50) same (silica or "SiO. _{sub.2} " or silicon dioxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 08:29
S15	37	toner and ((silica or silicon dioxide or "SiO. _{sub.2} ") with (GSD or geometric standard deviation))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 08:36
S16	297	toner and ((silica or silicon dioxide or "SiO. _{sub.2} ") with (GSD or geometric standard deviation or geometric standard distribution or geometric size distribution or particle size distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 08:38
S17	72	S16 and ((large or great or wide) with (GSD or geometric standard deviation or geometric standard distribution or geometric size distribution or particle size distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 08:39
S18	49	S16 and ((large or great or wide) near4 (GSD or geometric standard deviation or geometric standard distribution or geometric size distribution or particle size distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 08:39
S35	1	("6377281").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/11 11:58
S36	15	(toner or developer) and (((D50 or Dv50) same (D10 or Dv10 or D90 or Dv90)) same (silica or "SiO. _{sub.2} " or silicon dioxide or metal oxide or external additive or surface additive or fluidity))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:11
S37	1	(developer and external additive and hexahedral inorganic fine particles).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:29
S38	16	(toner or developer) and (((D50 or Dv50) same (D10 or Dv10 or D90 or Dv90)) same (silica or "SiO. _{sub.2} " or silicon dioxide or metal oxide or external additive or surface additive or fluidity or titanium dioxide or titania or aluminum oxide or alumina or zinc oxide or "TiO. _{sub.2} " or "Al. _{sub.2} O. _{sub.3} " or ZnO))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:30
S39	1	S38 not S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:31

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S40	297	toner and ((silica or silicon dioxide or "SiO. sub.2") with (GSD or geometric standard deviation or geometric standard distribution or geometric size distribution or particle size distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:32
S41	72	S40 and ((large or great or wide) with (GSD or geometric standard deviation or geometric standard distribution or geometric size distribution or particle size distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:32
S42	225	S40 not S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:32
S43	49	S40 and ((large or great or wide) near4 (GSD or geometric standard deviation or geometric standard distribution or geometric size distribution or particle size distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:33
S44	225	S42 not S43	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:33
S45	223	S44 not S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:33
S46	45	toner and ((silica or silicon dioxide or "SiO. sub.2") with (GSD or geometric standard deviation or geometric standard distribution or geometric size distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:38
S47	45	(toner or developer) and ((silica or silicon dioxide or "SiO.sub.2") with (GSD or geometric standard deviation or geometric standard distribution or geometric size distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 12:39
S48	5807	toner and ((D50 or Dv50) same (D10 or Dv10))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:09
S49	7	toner and (((D50 or Dv50) same (D10 or Dv10)) same (external additive or metal oxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:09
S50	0	toner and (((D50 or Dv50) same (D10 or Dv10)) same (fluidizing agent))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:10
S51	3	toner and (((D50 or Dv50) same (D10 or Dv10)) same (lubricant or lubricating agent))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:11

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S52	8	toner and (((D50 or Dv50) same (D10 or Dv10)) same (\$3oxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:12
S53	7	toner and (((D50 or Dv50) same (D10 or Dv10)) same (external))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:14
S54	13	toner and (((D50 or Dv50) same (D10 or Dv10)) same (silic\$8))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:14
S55	3	toner and (((D50 or Dv50) same (D10 or Dv10)) same (lubrica\$8))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:17
S56	4	toner and (((D50 or Dv50) same (D10 or Dv10)) same (fluid\$8))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:18
S57	7	toner and (((D50 or Dv50) same (D10 or Dv10)) same (external\$8))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:18
S58	6	toner and (((D50 or Dv50) same (D10 or Dv10)) same (surface))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:18
S59	2	developer and (((D50 or Dv50) same (D10 or Dv10)) same (extern\$8))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:20
S60	0	developer and (((D50 or Dv50) same (D10 or Dv10)) same (metal oxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:21
S61	7	developer and (((D50 or Dv50) same (D10 or Dv10)) same (\$3oxide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:21
S63	152	(toner or developer) and ((silica or silicone dioxide or "SiO ₂ ") near8 (polydispersity or particle size distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 13:29
S64	1	("20070020543").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/11 14:30
S65	1	S64 and part\$3 agent	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 14:30

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S66	1	("20070020543").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/11 20:58
S67	1	S66 and conduct\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/11 20:58
S68	731	430/108.7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/12 07:37
S69	925	430/108.6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/12 07:37
S70	7	toner and (charge control resin near6 molecular weight)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/12 07:38
S71	7	toner and (charge control resin near8 molecular weight)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/12 07:42
S72	8	toner and (charge control resin near10 molecular weight)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/12 07:42
S73	1	S72 not S71	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/12 07:42
S74	73	toner and (charge control resin with molecular weight)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/12 07:43
S75	65	S74 not S72	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/12 07:43
S76	1475	(toner or developer) and ((third or three) with (external additive or inorganic particle or inorganic additive or conductive particle or silica or titania))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/04/23 10:19
S77	1	("5776646").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/23 10:21
S78	1	("20070020543").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/07 16:37

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S79	1	S78 and (conduct\$4 or resist\$5 or nonconduct\$4 or non-conduct\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/08/07 16:38
S80	167	toner and ((silica or silicon dioxide or "SiO. sub.2") same ((Dv\$5) or (Dv50/Dv10)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 12:48
S81	7	toner and ((silica or silicon dioxide or "SiO. sub.2") same ((Dv50/Dv10)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 12:48
S82	13	(toner or developer) and ((metal oxide or external additive or silica or silicon dioxide or silicon oxide or "SiO.sub.2") with (Dv50 or Dv84 or Dv10 or Dv16))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 15:16
S83	37	(toner or developer) and ((metal oxide or external additive or silica or silicon dioxide or silicon oxide or "SiO.sub.2") same (Dv50 or Dv84 or Dv10 or Dv16))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 15:18
S84	24	S83 not S82	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 15:18
S85	1	("20040043315").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/29 15:23
S86	1	("20070020543").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/29 15:28
S87	136	(toner or developer) and (silica near2 conductive)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/30 12:14
S88	1	("20080210124").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/30 16:05
S89	179	(core same shell) same (resin) same (nano\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/30 16:13
S90	123	resin nanoparticles	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/30 16:15
S91	8	(toner or developer) and (Dv50/Dv10)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:17

EAST Search History (Prior Art)

S92	2	WO-2005119373-\$ did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:22
S93	5	(toner or developer) and (D50/D10)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:38
S94	147	(toner or developer) and (?50/?10)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:38
S95	0	(toner or developer) and ((?50/?10) same (silica or silicon oxide or silicon dioxide or "SiO.sub.2"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:40
S96	11	(toner or developer) and ((\\$2"50"/\\$2"10") same (silica or silicon oxide or silicon dioxide or "SiO.sub.2" or external oxide or metal oxide or surface additive or flow enhancer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:41
S98	4	S96 not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:45
S99	7	(toner or developer) and ((D?50/D?10) same (silica or silicon oxide or silicon dioxide or "SiO.sub.2" or external oxide or metal oxide or surface additive or flow enhancer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:46
S100	0	S99 not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:46
S101	7	(toner or developer) and ((Dv\$2/Dv\$2) same (silica or silicon oxide or silicon dioxide or "SiO.sub.2" or external oxide or metal oxide or surface additive or flow enhancer))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:47
S102	0	S101 not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:47
S103	898	(toner or developer) and ((silica or silicon oxide or silicon dioxide or "SiO.sub.2") with (distribution))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:54
S104	374	(toner or developer) and ((silica or silicon oxide or silicon dioxide or "SiO.sub.2") with (particle size distribution or GSD))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:55

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S10 5	37	(toner or developer) and ((silica or silicon oxide or silicon dioxide or "SiO.sub.2") with (GSD))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 11:55
S10 6	45	(toner or developer) and ((silica or silicon oxide or silicon dioxide or "SiO.sub.2") with (geometric size distribution or geometric standard distribution or GSD))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 12:27
S10 7	8	S106 not S105	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 12:27
S10 8	38	(toner or developer) and ((metal oxide or external additive or silica or silicon dioxide or silicon oxide or "SiO.sub.2") same (Dv50 or Dv84 or Dv10 or Dv16))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 12:31
S10 9	265	(toner or developer) and ((metal oxide or external additive or silica or silicon dioxide or silicon oxide or "SiO.sub.2") same (D50 or D84 or D10 or D16))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 12:32
S11 0	14	(toner or developer) and ((metal oxide or external additive or silica or silicon dioxide or silicon oxide or "SiO.sub.2") same (D50 same (D10 or D16)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 12:38
S11 1	0	(toner or developer) and ((metal oxide or external additive or silica or silicon dioxide or silicon oxide or "SiO.sub.2") and (D50 same (DV50 or DV10 or DV16)))	EPO; JPO; DERWENT	ADJ	ON	2010/08/25 13:07
S11 2	26	(toner or developer) and ((metal oxide or external additive or silica or silicon dioxide or silicon oxide or "SiO.sub.2") and ((DV50 or DV10 or DV16)))	EPO; JPO; DERWENT	ADJ	ON	2010/08/25 13:07
S11 3	1	("20040043315").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/25 13:14
S11 4	4	(toner or developer) and ((metal oxide or external additive or silica or silicon dioxide or silicon oxide or "SiO.sub.2") same ("D. sub.50" same "D.sub.10"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 13:15
S11 5	12	(toner or developer) and ((metal oxide or external additive or silica or silicon dioxide or silicon oxide or "SiO.sub.2" or fine particle) same ("D.sub.50" same "D.sub.10"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/25 13:15

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

EAST Search History (Interference)

L1	1	((toner or developer) and (colored resin particle) and (external additive) and silica and Dv50/Dv10 and particle diameter and volume cumulative and sphericity).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/08/26 10:13
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